



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC.

27-27s-24w Ford Co. KS

2020 N. Bramblewood
Wichita, KS 67206-1094

Melia 1-27

Job Ticket: 50494

DST#: 2

ATTN: Ed Grieves Evan May

Test Start: 2013.05.24 @ 00:19:14

GENERAL INFORMATION:

Formation: **Cherokee / Miss.**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 02:47:44

Time Test Ended: 09:33:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Reynolds

Unit No: 48

Interval: 5045.00 ft (KB) To 5095.00 ft (KB) (TVD)

Reference Elevations: 2544.00 ft (KB)

Total Depth: 5095.00 ft (KB) (TVD)

2531.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8790

Inside

Press @ RunDepth: 29.22 psig @ 5046.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.24

End Date:

2013.05.24

Last Calib.:

2013.05.24

Start Time: 00:19:19

End Time:

09:33:14

Time On Btm:

2013.05.24 @ 02:45:14

Time Off Btm:

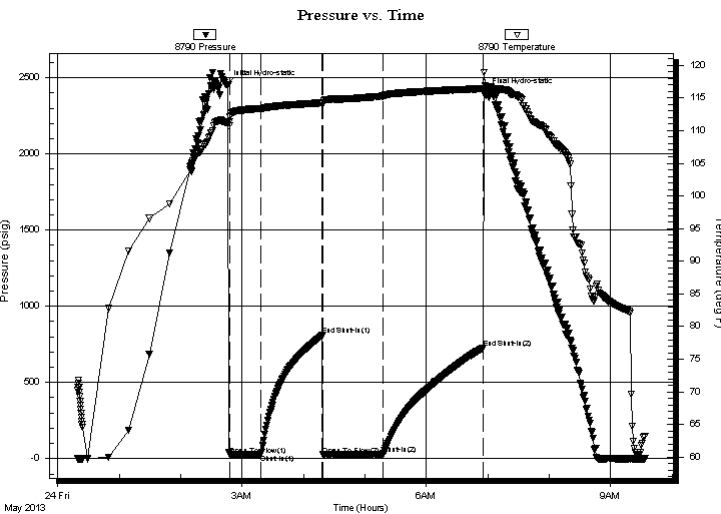
2013.05.24 @ 06:57:14

TEST COMMENT: IF: Strong blow . BOB @ 30sec.

IS: No blow

FF: Strong blow . BOB immed. GTS @ 45min.

FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2454.64	111.26	Initial Hydro-static
3	24.30	111.39	Open To Flow (1)
34	26.53	113.36	Shut-In(1)
93	807.80	114.26	End Shut-In(1)
94	24.38	114.18	Open To Flow (2)
153	29.22	115.28	Shut-In(2)
251	728.50	116.44	End Shut-In(2)
252	2405.32	116.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig mud 100%mud	0.05

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

6000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig mud 100%mud	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: RR-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Serial #: 8790

Inside

Berexco, LLC.

Mella 1-27

DST Test Number: 2

